

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

LAURA C. BOUDREAU

Serial No. 10/034,044

Filed: December 31, 2001

For: SEPARATION OF DIENES
FROM OLEFINS USING IONIC
LIQUIDS

GROUP ART UNIT 1621

EXAMINER:

P. O. Box 6006
San Ramon, CA 94583-0806

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, DC 20231

Sir:

This Information Disclosure Statement is submitted pursuant to 37 CFR §§ 1.56, 1.98 and 1.97, particularly 1.97(c). The documents listed on the attached Form PTO/SB/08A are brought to the Examiner's attention. Copies of these documents are enclosed.

The Patent Office is authorized to charge our deposit account No. 03-1620 for the fee specified under 37 CFR § 1.17(p). A duplicate copy of this paper is enclosed for this purpose.

Respectfully submitted,

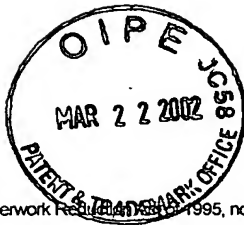
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Enclosures

I hereby certify that I have a reasonable basis for believing that this correspondence will be deposited with the United States Postal Service as first class mail in an envelope addressed to:
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PTO/SB/08A (10-01)
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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 2

Complete if Known

Application Number	10/034,044
Filing Date	December 31, 2001
First Named Inventor	Laura C. Boudreau et al.
Group Art Unit	1621
Examiner Name	
Attorney Docket Number	T-5869

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	1	US-3,304,341	02-14-1967	Weiner et al.	
	2	US- 3,401,112	09-10-1968	Dunlop et al.	
	3	US- 3,407,789	10-29-1968	Hallee et al.	
	4	US- 3,647,682	03-07-1972	Rabo et al.	
	5	US- 3,679,762	07-25-1972	La Hue et al.	
	6	US- 3,758,403	09-11-1973	Rosinski et al.	
	7	US- 3,820,955	06-28-1974	Woebcke	
	8	US- 4,128,595	12-05-1978	Montgomery	
	9	US- 4,347,392	08-31-1982	Cosyns et al.	
	10	US- 4,499,055	02-12-1985	DiNicolantonio et al.	
	11	US- 4,571,442	02-18-1986	Cosyns et al.	
	12	US- 4,762,956	08-09-1988	Liu et al.	
	13	US- 4,814,067	03-21-1989	Gartside et al.	
	14	US- 4,828,679	05-09-1989	Cornier, Jr. et al.	
	15	US- 4,980,053	12-25-1990	Li et al.	
	16	US- 5,059,732	10-22-1991	Cosyns et al.	
	17	US- 5,326,465	07-05-1994	Yongquing et al.	
	18	US- 5,712,171	01-27-1998	Zambias et al.	
	19	US- 5,811,621	09-22-1998	van Dijk	
	20	US- 5,859,304	01-12-1999	Barchas et al.	
	21	US- 6,339,182 B1	01-15-2002	Munson et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	22	GB 1,001,886	08-18-1965	Farbwerke Hoechst Aktiengesell-Schaft		

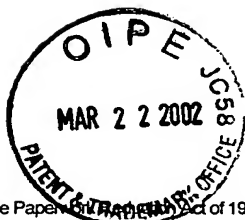
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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STATEMENT BY APPLICANT**

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Attorney Docket Number	T-5869

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	23	Malz Kr., Richard. <i>Chemical Ind.</i> , "Catalysis of Organic Reactions," 68:249-263. (1996) Marcel Dekker, Inc., New York.	
	24	Enderby, J., <i>J. Phys. Condens. Matter</i> , "Ionic Liquids: recent progress and remaining problems", 5: (supp 34B) B99-B106 (1993) Institute of Physics Publishing, UK.	
	25	Freemantle, M., <i>Chemical and Engineering News</i> , "Designer Solvents", 32-37 (March 30, 1998) American Chemical Society, Washington, D.C.	
	26	Gordon, C., et al., <i>J. Mater. Chem.</i> , "Ionic liquid crystals: hexafluorophosphate salts", 8: 2627-2636 (1998) The Royal Society of Chemistry, Cambridge, UK.	
	27	Seddon, K., <i>J. Chem. Tech. Biotechnol.</i> , "Ionic Liquids for Clean Technology", 68: 351-356 (1997) John Wiley & Sons Ltd., UK..	
	28	Welton, T., <i>Chem. Rev.</i> , "Room-Temperature Ionic Liquids. Solvents for Synthesis and Catalysis", 99:2071-2084 (1999) American Chemical Society, Washington, D.C.	

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Considered

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